

**COMPAGNIE EUROPEENNE DU ZIRCONIUM-CEZUS****Method of Producing a Zirconium Alloy Semi-Finished Product  
for the Production of an Elongated Product and Use Thereof****ABSTRACT OF THE TECHNICAL CONTENT OF THE INVENTION**

A large ingot (1) is produced by casting the zirconium alloy, then the ingot is forged in two stages to obtain the semi-finished product (3). The first stage of forging the ingot (1) is performed at a temperature at which the zirconium alloy is in a state comprising crystalline  $\alpha$  and  $\beta$  phases. The forging temperature can for example lie between 850°C and 950°C.

Figure 1.